

# 980/1550 (980/1590) nm Fused WDM Coupler



## FEATURES

- ✓ Low Insertion Loss
- ✓ Low PDL
- ✓ High Isolation
- ✓ High Reliability and Stability

## APPLICATIONS

- EDFA (Erbium-doped Optical Fiber Amplifier)
- Fiber Laser
- Laboratory

## 980/1550 (980/1590) WDM Coupler Specifications

Parameters	980/1550 (980/1590) WDM Coupler		980/1550nm Mixed Fiber WDM Coupler	
Configuration	1x2 or 2x2			
Operating Wavelength (nm)	1310 & 1550 or 980 & 1590		1310 & 1550	
Operating Bandwidth (nm)	± 10/20		± 15	
Grade	P	A	P	A
Insertion Loss (dB)	≤0.15	≤0.25	≤0.25	≤0.35
Isolation (dB)	≥20	≥18	≥20	≥18
PDL (dB)	≤0.05	≤0.1	≤0.05	≤0.1
Directivity (dB)	≥55			
Fiber Type (Common Port & Pump Port)	Corning HI1060flex or OFS BF05635-02; Others on Request			
Fiber Type (Signal Port)	Corning® HI 1060 FLEX or OFS BF05635-02		Corning® SMF-28e	
Working Temperature (°C)	-40 ~ +85			
<b>Pigtail Type</b>	<b>Package (mm)</b>			
250µm Bare Fiber	Steel Tube, Φ3.0 × 54 or Φ3.0 × 40			
900µm Loose Tube	Steel Tube, Φ3.0 × 54			
2 mm or 3 mm Cable	Custom-sized ABS Box			

Notes: All the data are tested without connectors. The insertion loss of one pair of connector is less than 0.3 dB.  
Specifications are subject to change without notice and can be made on customer request.



## Order Information

	Port	Grade	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
<b>Fused WDM Coupler</b>	1x2	P	980/1550	SMF-28e	250 μm	Φ3 × 54	0.50 ± 0.05 m	None
	2x2	A	980/1590	Corning® HI 1060 FLEX	900 μm	Φ3 × 40	1.00 ± 0.1 m	LC/UPC
				OFS BF05635-02	2 mm	Custom ...	Custom ...	LC/APC
				Custom ...	3 mm			SC/UPC
								SC/APC
				FC/UPC				
				FC/APC				
							Custom ...	



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